										SHEET 1 OF 5		<u>.</u>			
FORM PT Comme Office							Trade	emar	k	TY. DOCKET NO).	SERIAL NO.			
Office				ON D			_		API	APPLICANT MIWA, et al					
((Use	seve	eral s	heet	s if n	eces	sary)		FIL	FILING DATE GROUP March 29, 2004 2818					
						U.	.S. P	ATE	NT DOC	UMENTS					
EXAMINER INITIAL		DOCL	IMENT N	UMBER					DATE	NAME CLASS SUBC			FILI IF API		
MT		4 9 6 4 0 7				7	9	10/90	Devin	365					
-		5 3 6 5 4 8 6		11/94	Schreck	365	185.22								
		5	4	1	2	6	0	1	5/95	Sawada et al	365	185.03			
		5	8	3	1	9	0	0	11/98	Miyamoto	365	185.03			
WT		5_	7	4	5	4	0	9	4/98	Wong et al	365	185.03			
		5	5	5	5	2	0	4	9/96	Endoh et al	365	189.01			
		5	1	5	1	3	8	7	9/92	Brady et al	437	191	4/30/		
		5	0	8	4	4	1	7	1/92	Joshi et al	437	192	3/13/		
		5	0	5	9	5	5	4	10/91	Spinner et al	437	193	6/23/		
		5	1	7	2	3	3	8	12/92	Mehrotra et al	365	185.03			
		5	1	3	8	5	7	6	8/92	Madurawe	365	185.3			
016	1_	5	4	8	7	0	3	6	1/96	Akaogi et al	365	185.23			
FOREI	GN F	PATE	NT [oc	UME	NTS					•				
		DOCU	MEN'T N	UMBER					DATE	COUNTRY	CLASS	SUBCLASS	ABSTRA YES		
MT	5	9	1	2	1	6	9	6	7/84	Japan	•		ХX		
MI		4	2	3	8	1	9	6	8/92	Japan					
M		4	5	7	2	9	4		2/92	Japan	سند				
OTHER	DOC	JMEN	TS (II	nclud	ing A	uthor	, Title	, Date	e, Pertine	nt Pages, Etc.)					
MI		App	licatio	Technons, T.	Jung	apers, , et al.	, ATP 2 , ISSC	2.1: A C96/S	3.3V 128M ession 2/F	b Multi-level NAND F lash Memory/Paper '	lash Mo TP 2.1,	emory for Mas	ss Stora		
MT						onduc	tor Me	morie	s", 1983, V	Visely, 2 nd Edition, p	o. 620-6	521.			
EXAMINE	R	Μ,)				NSIDERED	, , , , , , , , , , , , , , , , , , ,		· · · · · ·			
				, ₁ . •			——					 -			

(Form PTO-1449 [6-4])

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. I copy of this form with next communication to applicant.

SHEET 2 OF 5

FORM PTO-1449 U.S. Department of Commerce (Rev. 4/92) Patent and Trademark Office

ATTY. DOCKET NO.

SERIAL NO.

501.35478CX21

Not yet assigned

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT MIWA, et al

FILING DATE March 29, 2004

GROUP 2818

	U.S.	PATENT	DOCUMENTS
--	------	---------------	------------------

EXAMINER INITIAL	DOC	JMENT N	UMBER					DATE	NAME	CLASS	SUBCLASS	FILING DATE
NT	5	6	7	7	8	6	8	10/97	Takahashi, et al	365	185	
	5	7	6	8	1_	9	3	6/98	Lee, et al	365	185.25	
	5	7	5	7	6	9	9	5/98	Takeshima, et	365	185.24	
als	5	7	9	6	6	5	2	8/98	Takeshima, et	365	185.03	
	5	7	5	4	4	6	9	5/98	Hung, et al	365	185.03	
	5	7	4	8	5	3	3	5/98	Duniap, et al	365	185.19	
	5	7	5	4	4	7	5	5/98	Bill, et al	365	185.25	
	5	6	8	7	1	1	4	11/97	Khan	365	185.03	
MY	5	7	6	8	1	8	8	6/98	Park, et al	365	185.03	
	5	4	4	0	5	0	5	8/95	Fazio, et al	365	45	
	5	4	5	0	3	6	3	9/95	Christopherson	365	205	
	5	1	6	3	0	2	1	11/92	Mehrotra, et al	365	185	
	5	7	6	8	1	9	1	6/98	Choi, et al	365	185.22	
	5	5	6	6	1	2	5	10/96	Fazio	365	45	
	5	2	0	0	9	2	0_	4/93	Norman, et al	365	185	
	5	6	7	5	5	3	7	10/97	Bill, et al	365	185.22	
WF	4	8	6	0	2	5	8	8/89	Fruhauf, et al	365	194	

EXAMINER W TRAN DATE CONSIDERED	9/17/04
---------------------------------	---------

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

SHEET 3 OF 5

FORM PTO-1449 U.S. Department of Commerce(Rev. 4/92) Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

SERIAL NO.

501.35478CX21

Not yet assigned

APPLICANT MIWA, et al

FILING DATE March 29, 2004 GROUP 2818

U.S.	PA'	rent	, DO	CI	JM	EN	TS
------	-----	------	------	----	----	----	----

EXAMINER INITIAL	DOC	UMENT N	UMBER					DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MF.	5	9	1	5	1	0	5	6/99	Farmwald et al	365	233	
	6	0	3	8	1	6	5	3/00	Miwa	365	185.03	
	4	4	3	5	7	8	6	3/84	Tickle	365	185	
ME	5	6	9	4	3	5	7	12/97	Mori	365	185.03	

FOREIGN PATENT DOCUMENTS

		DOC	JMENT N	UMBER					DATE	COUNTRY	CLASS	SUBCLAS	ABSTRACT	
		ļ	r	_	,	1						3	YES	NO
MI	<u> </u>	6	2	6	4	9	3_		2/87	Japan			xx	
1		6	2	3	4	3	9	8_	2/87	Japan			xx	
	6	2	2	5	7	6	9	9	11/87	Japan	-		xx	
	6	2	2	9	8	9	9	9	12/87	Japan			xx	
	6	3	2	7	6	7	9	1	11/88	Japan			хх	
		2	4	0	1	9	8		2/90	Japan			xx	
MY		2	2	. 6	0	2	9	8	10/90	Japan			хх	
		3	2	3	7	6	9	2	10/91	Japan			xx	
			4	5	7	2	9	4	2/92	Japan	-		xx	
		4	1	8	4	7	9	4	7/92	Japan			хх	
		4	2	3	8	1	9	6	8/92	Japan			xx	
	0	6	1	3	1	8	8	1	5/94	Japan			хх	
	O	6	1	9	5	9	8	7	7/94	Japan			xx	
als	0	6	·2	6	7	2	8	5	9/94	Japan			xx	
** (
EXAMINER M. TRAN DATE COI							DAT	LE CC	NSIDER	D 9/17/0	4			

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

FORM PTO-1449 U.S. Department of ATTY. DOCKET NO. SERIAL NO. Commerce(Rev. 4/92) Patent and Trademark 501.35478CX21 Office Not yet assigned APPLICANT INFORMATION DISCLOSURE MIWA, et al STATEMENT BY APPLICANT FILING DATE **GROUP** (Use several sheets if necessary) March 29, 2004 2818 **U.S. PATENT DOCUMENTS** EXAMINER INITIAL FILING DATE DOCUMENT NUMBER DATE NAME CLASS SUBCLASS APPROPRIATE MT 5 3 3 9 0 7/94 Takasugi 365 230 5 4 7 5 7 3 0 12/95 Sato et al 221 365 6 0 1 8 8 0 1/00 Tani et al 382 312 6 3 6 6 4 9 5 4/02 Miwa et al 365 185.03 6 4 5 9 6 1 4 10/02 Miwa et al 365 185.03 6 0 4 0 3 1 3/00 ladanza et al 365 230.03 **FOREIGN PATENT DOCUMENTS** DOCUMENT NUMBER DATE CLASS COUNTRY SUBCLASS ABSTRACT YES NO ME 1 2 11/89 XX 3 2 9 4 Japan 7 0 0 5 7 4 8 4 3/95 Japan XX 0 2 1 5 4 9 Japan X 0 6 3 0 9 8 9 0 11/94 Japan XX 0 1 2 3 2 8 4 9/79 Japan 1 7 1 3 4 9 3 X 5/89 Japan 5 2 1 XX 0 9 9 8/93 Japan 6 2 5 1 5 9 9/94 X Japan 7 9 3 9 7 9 4/95 XX Japan 2 0 4 0 1 9 8 2/90 XX Japan M TRAN **EXAMINER** DATE CONSIDERED EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not

SHEET 4 OF 5

6

(Form PTO-1449 [6-4]

considered. Include copy of this form with next communication to applicant.

FORM Commer								ark		. DOCKET NO.		SERIAL NO.			
Office	•		·							501.35478CX21 Not yet assigned					
				ON D						APPLICANT H. MIWA, et al					
				sheets						G DATE ch 29, 2004		GROUP 2818			
						U	.S. P	ATE	NT DOC	UMENTS				" "	
EXAMINER INITIAL		DOC	JMENT N	IUMBER					DATE	NAME	CLASS	SUBCLASS	FILING IF APPRO		
MC		5	2	9	7	0	2	9	3/94	Nakai et al	365	238.5			
ſ		4	6	9	2	8	8	6	9/87	Miki et al	364	718			
		5	4	2	2	8	5	8	6/95	Mizukami et al	365	233			
		5	5	3_	9	6	8	8	7/96	Yiu, et al	365	185.14	<u> </u>	-	
	ļ	5	5	4	4	0	9	9	8/96	Hara	365	185.19			
		5	6	7	7	8	6	9	10/97	Fazio, et al	365	185.03			
oh F		5	6	1	5	1_	5	3	3/97	Yiu, et al	365	185.19		_	
														-	
														,	
FOREIC	FOREIGN PATENT DOCUMENTS														
		DOC	MENT N	UMBER					DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	<u> </u>	
115		<u> </u>	Ī	1	1	Τ	Γ.	<u> </u>			 		YES	NO	
ME	0	6	2	8	2	9	9	2	10/94	Japan	 		XX	ļ	
	0	7	1_	6	1	8	5	2	6/95	Japan	-		XX	ļ	
MS	0	6	0	7	6	5	8	6	3/94	Japan	 		xx		
			<u> </u>	ļ		ļ	ļ	ļ			ļ		-	ļ	
			<u> </u>	ļ	ļ	<u> </u>		 	ļ		<u> </u>				
	<u> </u>	<u> </u>	<u> </u>	<u> </u>		<u> </u>	<u> </u>	<u></u>				<u> </u>			
OTHER	DO	CUN	IENT	rs (Ir	nclud	ding	Auth	or, T	itle, Dat	te, Pertinent Pa	ges, Et	c.)		···	
	<u> </u>														
						·									
	l														
EXAMINE	R	M	· ·	TR	AN)	DA	TE CC	NSIDERI	1 9/17/a	4				
EXAMINE	ER: (initial	if cit	ation	is cor	nside	red, c	draw li	ine throug	gh citation if not in ation to applicant.	conform	nance and	not		
- Consider				Py 01		V	VILLE 11			(Form PTO-1449 (6	i-4])				